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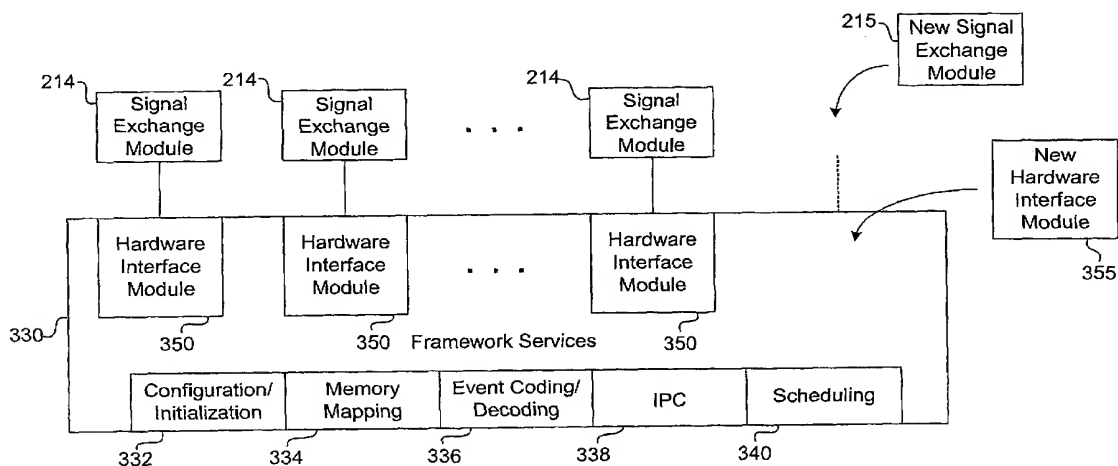
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[Continued on next page]

(54) Title: OBJECT ORIENTED FRAMEWORK ARCHITECTURE FOR SENSING AND/OR CONTROL ENVIRONMENTS



(57) Abstract: An object oriented framework architecture for sensing and/or control environments includes a set of sensing and/or control subsystems; a framework and interface system; a network; and a managing server system. The framework and interface system includes signal exchange modules that communicate with sensing and/or control elements; an expansion bus; and a client computer system. A framework services module within the client computer system retrieves configuration information that characterizes signal exchange modules. The framework services module automatically configures hardware interface modules for communicating with signal exchange modules, and maps signal exchange modules' hardware signals to corresponding events. An event may include an event identifier and a data value. The framework services module exchanges events with application software within the managing server system, and exchanges hardware signals with signal exchange modules monitoring or controlling sensing and/or control elements. The framework services module disassociates application software from signal exchange module hardware configuration details.



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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G05B19/042

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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